Index of Claims

Application/Control No.

10/808,782

Examiner

R. Alexander Smith

Reexamination UYAMA, MASAO

Applicant(s)/Patent under

Art Unit

2859

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

| Cla            | im             | Date         |          |                           |          |                    |  |          |          |              |
|----------------|----------------|--------------|----------|---------------------------|----------|--------------------|--|----------|----------|--------------|
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| Final          | Original       | 2/1/06       |          |                           |          |                    |  |          |          |              |
| 1              | 1              | #            |          |                           |          |                    |  |          |          |              |
| 2              | 2              | ıı           |          |                           |          |                    |  |          |          |              |
| 3              | 1<br>2<br>3    | =            |          | $\neg$                    | $\neg$   |                    |  |          | $\neg$   |              |
| <u> </u>       | 4              | =            |          | $\dashv$                  |          |                    |  |          | $\dashv$ |              |
| <del>-</del>   | -              | =            | Н        | $\dashv$                  | $\dashv$ |                    | $\dashv$                               | -        | $\dashv$ | -            |
| 4<br>5<br>6    | 5<br>6         | H            | -        | -                         | $\dashv$ |                    | -                                      | $\dashv$ | $\dashv$ |              |
| <u> </u>       |                | _            | -        | -                         | _        | -                  |  | -        |          | _            |
| 7              | 7              | =            | $\dashv$ | _                         |          |                    | $\dashv$                               | $\dashv$ |          |              |
| 8              | 8_             | =            |          | _                         | _        |                    |  | $\dashv$ | _        | _            |
| 9              | 9              | =            |          |                           |          | _                  |  | _        | _        |              |
| 10             | 10             | =            | Ш        |                           |          |                    | $\Box$                                 | -        |          |              |
| 11             | 11             | =            | Ш        |                           |          |                    | $\Box$                                 |          |          |              |
| 12             | 12             | =            | Ш        |                           |          | Ш                  |  |          | Ш        |              |
| 13             | 13             | =            | Ш        |                           |          |                    |  |          |          |              |
| 13<br>14<br>15 | 13<br>14<br>15 | =            |          |                           |          |                    |  |          |          |              |
| 15             | 15             | =            |          |                           |          |                    |  |          |          |              |
| 16             | 16             | =            |          |                           |          |                    |  |          |          |              |
| 16<br>17<br>18 | 16<br>17       | Ξ            |          |                           |          |                    |  |          |          |              |
| 18             | 18             | =            |          |                           |          |                    |  |          |          |              |
| 19             | 19             | =            |          |                           |          |                    |  |          |          |              |
| 20             | 20             | =            |          |                           |          |                    |  |          |          |              |
|                | 21             |              |          |                           |          |                    |  |          |          |              |
|                | 21<br>22       |              |          |                           |          |                    |  |          |          |              |
|                | 23             |              | _        |                           |          |                    |  |          |          |              |
| -              | 24             |              | -        | $\vdash$                  |          | _                  |  |          | _        | _            |
|                | 24<br>25       | $\vdash$     | -        | _                         |          |                    | -                                      |          | _        | -            |
| 1              | 26             |              | $\vdash$ | $\vdash$                  |          |                    | _                                      | _        |          |              |
|                | 27             | ├            | $\vdash$ |                           |          | _                  | _                                      |          |          |              |
|                | 27<br>28       | ├─           | $\vdash$ |                           |          | Н                  | -                                      |          |          | _            |
| -              | 29             | ┢            | $\vdash$ |                           | _        | -                  | -                                      | -        | -        |              |
| <u> </u>       | 30             | ┢┈           | -        |                           | -        | _                  | -                                      | _        | -        |              |
| $\vdash$       | 31             | $\vdash$     | $\vdash$ |                           |          | $\vdash$           | $\vdash$                               | $\vdash$ | H        | -            |
|                | 22             | -            | ⊢        | <u> </u>                  |          | $\vdash$           | $\vdash$                               |          | H        | -            |
|                | 32<br>33       | <b> </b>     | ⊢        | <u> </u>                  |          | $\vdash$           | <u> </u>                               | -        | <u> </u> | <del> </del> |
|                | 33             | <u> </u>     | <u> </u> | -                         | <u> </u> |                    | _                                      |          |          | <u> </u>     |
|                | 34             | ├-           | <u> </u> | <u> </u>                  | <u> </u> | <u> </u>           | <b> </b>                               | H        | $\vdash$ | <u> </u>     |
|                | 35             | ـــ          | <u> </u> | ļ                         |          | $\vdash$           | _                                      | $\vdash$ | <u> </u> | <u> </u>     |
|                | 36             | <u> </u>     | <u> </u> | L                         |          | $\vdash$           | _                                      | <u> </u> | <u> </u> | <u> </u>     |
| <u></u>        | 37             | $\vdash$     |          | <u> </u>                  |          | <u> </u>           |  |          | $\vdash$ | _            |
|                | 38             | ┞_           | _        | <u> </u>                  |          | ⊢                  | L                                      | <u> </u> | L        | $\vdash$     |
|                | 39             | <u> </u>     | _        | $ldsymbol{ldsymbol{eta}}$ | _        | <u> </u>           | <u> </u>                               | <u> </u> | <u> </u> | <u> </u>     |
| ļ              | 40             | $oxed{oxed}$ | _        | <u> </u>                  | <u> </u> | _                  | <u> </u>                               | <u> </u> | <u> </u> | <u> </u>     |
|                | 41             | _            | <u></u>  | <u> </u>                  |          | <u> </u>           | <u> </u>                               | L        | <u> </u> | <u> </u>     |
| <u> </u>       | 42             | <u> </u>     | L        | <u> </u>                  | <u> </u> | _                  |  | <u> </u> |          | <u> </u>     |
| <u></u>        | 43             | _            | <u> </u> | <u> </u>                  | L_       | _                  | <u> </u>                               | <u> </u> | <u> </u> | <u> </u>     |
|                | 44             | L_           | _        | ļ                         | <u> </u> | _                  | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | <u> </u> | <u> </u> | <u> </u>     |
|                | 45             | $oxed{\Box}$ | <u> </u> |                           |          |                    | _                                      | <u> </u> | 匚        | <u> </u>     |
|                | 46             |              |          |                           |          |                    | L                                      | L_       | _        | <u> </u>     |
|                | 47             |              |          | 匚                         |          | $oxedsymbol{oxed}$ |  |          |          |              |
|                | 48             |              |          |                           |          |                    |  |          |          |              |
|                | 49             |              |          |                           |          |                    |  |          |          |              |
|                | 50             |              |          |                           |          |                    |  |          |          |              |

| Claim        |                | Date   |              |              |  |                |  |  |  |  |  |
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|              | 51             |  |              |              |  | $\neg$         |  |  | $\dashv$   |  |  |
|              | 52             | -  |              | $\dashv$     |  | $\dashv$       | $\neg$   | $\neg$   | $\neg$   |  |  |
|              | 51<br>52<br>53 | $\dashv$   |              | $\vdash$     |  | Н              |  |  |  | -  |  |
|              | 54             | $\vdash$   |              |              |  |                |  |  |  | $\overline{}$                                    |  |
|              | 54<br>55       | $\vdash$   | _            | -            |  |                |  |  |  | _  |  |
| -            | 56             |  |              |              |  |                |  |  |  |  |  |
| _            | 57             |  | _            | Н            |  | _              |  | _  |  |  |  |
|              | 58             |  |              |              |  |                |  |  |  | $\overline{}$                                    |  |
|              | 59             |  |              |              |  |                |  |  |  |  |  |
|              | 60             | П  | _            | Н            |  |                |  |  |  |  |  |
|              | 61             |  |              |              |  |                |  |  |  |  |  |
|              | 62             |  |              |              |  |                |  |  |  |  |  |
|              | 63             |  |              | П            |  |                |  |  |  |  |  |
|              | 64             |  |              |              |  |                |  |  |  |  |  |
|              | 65             |  |              |              |  |                |  |  |  |  |  |
|              | 66             |  |              |              |  |                |  |  |  |  |  |
|              | 67             |  |              |              |  |                |  |  |  |  |  |
|              | 68             |  |              |              |  |                |  |  |  |  |  |
|              | 69             |  |              |              |  |                |  |  |  |  |  |
|              | 70             |  |              |              |  |                |  |  |  |  |  |
|              | 71             |  |              |              |  |                |  |  |  |  |  |
|              | 72             |  |              |              |  |                |  |  |  |  |  |
|              | 73             |  |              |              |  |                |  |  |  |  |  |
|              | 73<br>74       |  |              |              |  |                |  |  |  |  |  |
|              | 75             |  | L            |              |  |                |  | <u>L</u> .                                       |  |  |  |
|              | 76             | $oxed{oxed}$                                     | L            |              |  |                |  | <u> </u>   | _  |  |  |
|              | 77             |  |              |              | _  |                | L  |  | _  | L  |  |
|              | 78             |  |              |              |  | L              | L_   |  | <u> </u>   | _  |  |
|              | 79             | L  | <u>_</u>     |              |  | 1              |  |  | L  | L  |  |
|              | 80             | _  |              | _            |  |                | <u> </u>   | <u> </u>   | _  | _  |  |
|              | 81<br>82       |  | _            | Ш            | <u> </u>   |                |  | <u> </u>   |  | _  |  |
|              | 82             | _  | ╙            | <u> </u>     |  | _              | _  | ļ  |  | <u> </u>   |  |
|              | 83             | <u> </u>   | <u> </u>     | L.           | ┡  | _              | _  |  | ├-   | <u> </u>   |  |
|              | 84             | <u> </u>   |              | <del> </del> | <u> </u>   | <b>-</b>       | -  | ├—   | ⊢  | <del> </del>                                     |  |
|              | 85             | $\vdash$   | <u> </u>     | <b> </b>     |  | $\vdash$       | -  |  | $\vdash$   | ├  |  |
|              | 86             | <u> </u>   | -            | -            | <del> </del>                                     | ⊢-             |  | ├  | -  | ├  |  |
|              | 87             | <del> </del>                                     | $\vdash$     | ├            | $\vdash$   | ├              | ⊢  | $\vdash$   | ├-   | $\vdash$   |  |
|              | 88             | $\vdash$   | $\vdash$     | ⊢            |  | ⊢              | -  | $\vdash$   | -  | ⊢  |  |
| <u> </u>     | 89<br>90       | $\vdash$   | $\vdash$     | -            | $\vdash$   | ├              | $\vdash$   | ├-   | $\vdash$   | $\vdash$   |  |
| <del></del>  | 91             | $\vdash$   |              | $\vdash$     | -  | $\vdash$       | -  | $\vdash$   |  | $\vdash$   |  |
| <u> </u>     | 92             | $\vdash$   | $\vdash$     | -            | $\vdash$   | +              | $\vdash$   | $\vdash$   | $\vdash$   | ╁╌   |  |
|              | 93             | $\vdash$   | -            | H            | -  | $\vdash$       | ├  | ┢  | <del>                                     </del> | $\vdash$   |  |
|              | 94             | ┢  | ┢            | -            | $\vdash$   | ╁              | $\vdash$   | -  | $\vdash$   | <del>                                     </del> |  |
| -            | 95             | $\vdash$   | <del> </del> | ╁            | $\vdash$   | +-             | $\vdash$   | $\vdash$   | $\vdash$   | <u> </u>   |  |
|              | 96             | $\vdash$   | ╁            | +-           | -  | 1              | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$   |  |
| _            | 97             | +  | $\vdash$     | $\vdash$     |  | <del>  -</del> | t  | $\vdash$   | <del>                                     </del> | ╁  |  |
| $\vdash$     | 98             | <del>                                     </del> | H            | †            | $\vdash$   | t              | Н  | $\vdash$   | T  | ✝  |  |
| <b></b>      | 99             | $\vdash$   | 1            | $\vdash$     | t  | t              | <del>                                     </del> | 1  | T  | $\vdash$   |  |
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| Claim        |   | Date     |          |              |  |  |          |          |              |                 |  |
|--------------|---|----------|----------|--------------|--|--|----------|----------|--------------|-----------------|--|
| Final        | Original  |          |          |              |  |  |          |          |              |                 |  |
|              |   |          | _        | H            | -  | _  |          |          | Н            | $\dashv$        |  |
|              | 102   | $\vdash$ | _        |              |  |  |          |          |              |                 |  |
|              | 103   |          |          | П            |  |  |          |          |              |                 |  |
|              | 101<br>102<br>103<br>104  |          |          |              |  |  |          |          |              |                 |  |
|              | 105   |          |          |              |  |  |          |          |              |                 |  |
|              | 106   |          |          |              |  |  |          |          |              |                 |  |
|              | 105<br>106<br>107<br>108<br>109<br>110<br>111<br>112                      |          |          |              | L  |  |          |          |              |                 |  |
|              | 108   | L        |          |              | L  | L  |          |          |              | _               |  |
|              | 109   | _        | _        |              |  |  |          |          |              | _               |  |
|              | 110   | <u> </u> | <u> </u> | L_           |  |  |          | <u> </u> | $\vdash$     |                 |  |
|              | 111   | _        | <u> </u> | _            | _  | <u> </u>   | ⊢        | <u> </u> | <u> </u>     | $\vdash$        |  |
|              | 112   | ⊢        | -        | ⊢            | $\vdash$   |  | $\vdash$ |          | $\vdash$     | $\vdash \vdash$ |  |
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|              | 115   | ╁        |          | $\vdash$     | -  | ├─   | $\vdash$ | ╁╌╴      | H            | $\vdash$        |  |
| -            | 113<br>114<br>115<br>116<br>117<br>118<br>119                             | $\vdash$ | -        |              | -  | $\vdash$   | $\vdash$ | +-       | $\vdash$     | Н               |  |
|              | 117   | $\vdash$ | $\vdash$ | $\vdash$     | -  | $\vdash$   | <u> </u> | $\vdash$ |              | Н               |  |
|              | 118   | $\vdash$ | -        | <u> </u>     | _  |  |          | ┢        |              |                 |  |
|              | 119   | Т        |          |              | Г  |  |          | Г        |              | П               |  |
|              | 120   |          | Т        |              |  | Т  |          |          | Г            |                 |  |
|              | 121   |          | Г        |              |  |  |          |          |              |                 |  |
|              | 122   |          |          |              |  |  |          |          |              |                 |  |
|              | 123   |          |          |              |  |  |          |          |              |                 |  |
|              | 124   |          | L        |              |  |  |          |          |              | Ш               |  |
|              | 125   |          | _        |              | <u>L</u>   | <u> </u>   |          |          |              | Щ               |  |
|              | 126   | _        | L        | _            | <u> </u>   | ╙  | ㄴ        | _        |              | Ш               |  |
|              | 127   | <u> </u> | _        | ┡            | ┞  | <u> </u>   | L        | ļ        | <u>.</u>     | Ш               |  |
|              | 120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 | <u> </u> | ļ        | ┞-           | <b>├</b>   | ⊢  | -        | ⊢        | ⊢            | Н               |  |
|              | 129   | <u> </u> | ⊢        | ļ            | -  | ⊢  | ⊢        | ⊢        | <del> </del> | Н               |  |
|              | 130   | -        | ┝        |              |  | ├  | ⊢        | ├        | ⊢            | H               |  |
| -            | 132   | ┢        | ┢╌       | <u> </u>     | ├  | ┢  | $\vdash$ | ╁        |              | H               |  |
|              | 132   | ├─       | ┢        | +            | ┢  | <del>                                     </del> | ╁        | ╁╾       | 一            | Н               |  |
|              | 132<br>133<br>134   | ╁        | 1        | <del> </del> | -  | $\vdash$   | ┢═       | 一        | ┢            | Н               |  |
|              | 135   | T        | T        | $\vdash$     | <del>                                     </del> | $\vdash$   |          |          | $\vdash$     |                 |  |
|              | 135<br>136<br>137<br>138  | Π        | Т        | T            |  |  | Г        | T        |              | П               |  |
| $\vdash$     | 137   | T        |          |              |  |  |          | L        | L            |                 |  |
|              | 138   | L        |          |              |  |  |          |          |              |                 |  |
|              | 139   |          |          |              |  | ┖  |          | 匚        |              |                 |  |
|              | 140   |          |          |              |  |  | L        |          | L            | Ш               |  |
|              | 141   | <u> </u> | L        | 1            | <u> </u>   | <u> </u>   | L        | <u> </u> | <u> </u>     | Ш               |  |
| <u> </u>     | 142   | <u> </u> | L        | ↓_           | 1  | <u> </u>   | _        | <u> </u> | 1            | $\vdash$        |  |
| <u> </u>     | 143   | ⊬        | ├-       | $\vdash$     | ├  | ⊢  | -        | ╀        | -            | Н               |  |
| <b> </b>     | 144   | -        | -        | ┼            | ╄  | <del> </del>                                     | $\vdash$ | ┢        | Ͱ            | $\vdash$        |  |
| <u> </u>     | 145<br>146  | ├-       | $\vdash$ | ┼            | ╁  | $\vdash$   | ├        | ╁        | +            | $\vdash$        |  |
|              | 146   | $\vdash$ | +-       | +            | ┼-   | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash \vdash$ |  |
|              | 148   | ╁        | $\vdash$ | ╁╌           | $\vdash$   | <del> </del>                                     | $\vdash$ | ╁╌       | $\vdash$     | Н               |  |
| <del> </del> | 149   | +-       | ╁        | +            | ╁┈   | +  | $\vdash$ | $\vdash$ | $\vdash$     | Н               |  |
|              | 150   | +-       | t        | +            | +-   | +-   | $t^{-}$  | +-       | $t^-$        | $\vdash$        |  |
| L            | 1.55  | Ц_       |          |              |  | 1  | 1        | 1        | 1            | لــــا          |  |